

**METHOD OF WRITING DATA TO A LARGE BLOCK OF
A FLASH MEMORY CELL**

ABSTRACT OF THE DISCLOSURE

A method of writing data to a large block of a flash memory cell is disclosed. When
5 the processor writes data to the flash memory cell, if the changed data can not fill up the
whole page, the processor will pick a block from one of the backed up blocks in the flash
memory cell using as a special block for storing changed data temporarily, and continue
to write the next changed data into the special block until whole space in the page is filled
up. When the page is completely filled, then the data stored temporarily in the special
10 block is moved to a buffer of the backed up block and then the special block is erased so
that it can be used as a back up block, thus when writing data to flash memory cell, even
when the change of data is unable fully fill up the whole page, the changed data still can
be written continuously, and therefore the writing speed can be substantially increased.